

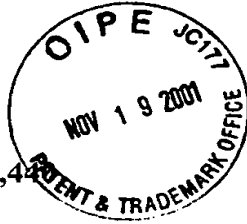
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

NAKAE *et al.*

Application Number: 09/527,442

Filed March 17, 2000



Art Unit 1631

Examiner J. Lundgren

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NOV 21 2001  
TECH CENTER 1600/2900

Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231

**COVER LETTER**

Sir:

[x] The fee for submission of additional claims is calculated as shown below:

FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS PAID	RATE	CALCULATION
Total Claims	20	-26	-XX (Over 20)	x \$18	0
Independent Claims	13	-14	-11 (Over 3)	x \$84	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$280	
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28).				x ½	
TOTAL					0.00

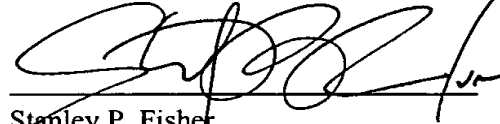
In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

[x] Response to Final Office Action  
      (with Claim Amendments)  
[ ] Information Disclosure Statement  
[ ] Preliminary Amendment  
[ ] Substitute Specification  
[ ] Other \_\_\_\_\_

[ ] Petition for Extension of Time  
[ ] Terminal Disclaimer  
[ ] Letter to Draftsperson  
[ ] Assignment  
[ ] Petition under \_\_\_\_\_  
[ ] Small entity status

- [ ] Please charge my **Deposit Account Number** \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the fees for \_\_\_\_\_. A duplicate copy of this paper is enclosed.
- [ ] A check in the amount of \$ 0.00 to cover the fee is enclosed.
- [x] The Commissioner is hereby authorized to charge any additional fees associated with this communication, including patent application filing fees and processing fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,



Stanley P. Fisher  
Registration Number 24,344

**REED SMITH HAZEL & THOMAS LLP**  
3110 Fairview Park Drive  
Suite 1400  
Falls Church, Virginia 22042  
(703) 641-4200

**JUAN CARLOS A. MARQUEZ**  
Registration No. 34,072

**November 19, 2001**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

NAKAE *et al.*

Application Number: 09/527,440

Filed March 17, 2000

For: PRIMER DESIGN SYSTEM

Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Art Unit 1631

Examiner J. Lundgren

#14/D  
Plunkett  
11/27/01

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OK to  
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12/4/01

RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.115

Sir:

This is in response to the office action dated August 17, 2001, in the above identified application, the period for response to which has been extended to expire on November 17, 2001. Please amend the above identified application with the replacement paragraphs/sections/claims as follows:

IN THE SPECIFICATION

Please substitute the paragraphs as indicated hereinbelow with the following replacement paragraphs:

On page 14, please substitute the sixth paragraph with the following:

FIG. 6 illustrates exon sequences selected from the sequence database 21, and partial sequences extracted from those exon sequences specific extraction conditions; specifically, exon 1 (SEQ ID NO: 1) and its extracted partial sequences (SEQ ID NO: 5 and 6), exon 2 (SEQ ID NO: 2) and its extracted partial sequences (SEQ ID NO: 7 and 8), exon 3 (SEQ ID NO: 3) and its extracted partial sequences (SEQ ID NO: 9 and 10), and exon 4 (SEQ ID NO: 4) and its extracted partial sequences (SEQ ID NO: 11 and 12);

On page 32, please substitute the first full paragraph with the following:

A relatively new sequence which had not been analyzed very much was selected from the sequence database for chromosome 21 publicly disclosed on the

D1

D2